



MISSION BAY NEUROSCIENCES BUILDING UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

2012
PROJECT PROFILE

CHALLENGES

Installation of large, diverse conductors in tight spaces and on a tight schedule

SOLUTION

Custom sizes and configurations of General Cable STABILOY® Brand MC Cable and FeederPlex HS® XHHW-2 Products



TRAVIS MCCRAY
PROJECT MANAGER
CUPERTINO ELECTRIC, INC.

In neuroscience, where things are measured in microns and the speed of light is a tool of the trade, experts and professionals, who are renowned for their analytical prowess and world-class attention-to-detail, are never

in short supply. So, when you are invited to wire a \$200 million, 237,000 square foot, five-floor, LEED Silver certified research facility, optimal precision and performance are exactly what the doctor(s) ordered.

For Marc Reisfelt of Independent Electric Supply, who was tasked with managing the supply of electrical cable for the project, the U.C. San Francisco Mission Bay Neurosciences Building project could have been a nerve-wracking enterprise – were it not for General Cable.

“I’ve used General Cable product for more than 30 years,” says Reisfelt. “So when I started reviewing the schematics and the scheduling for the Mission Bay neurosciences building project, I knew right where to go. The schedule for the project was tight and General Cable really empowered the electrical installation team to hit milestones.”

The project, which started in January 2011, called for installing more than 80,000 feet of electrical feeder cable. And much of it was specifically configured to address the diverse power needs of unique medical and research devices.

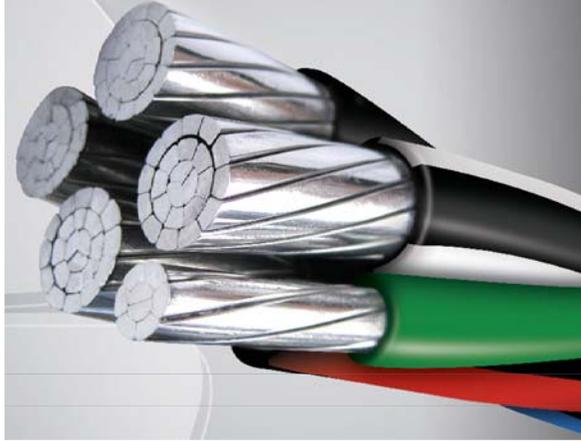
According to Travis McCray, who managed this project for Cupertino Electric (www.cei.com), working with General Cable expedited installation.

“Especially given some of the tight areas and unique needs, STABILOY® Brand FeederPlex HS® XHHW-2 and MC Cables really allowed for much shorter installation time, compared to a traditional pipe-and-wire approach,” says Travis. “In planning terms it was ideal. Cable runs of FeederPlex HS were pre-configured and strategically placed, drastically reducing pre-construction coordination efforts. Specific reels of cable were placed on site according to design schematics. The team just had to start pulling.”

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And beyond the tactical benefits of customized cable configurations, the physical characteristics of FeederPlex HS cable were highlighted as well.

“The highly flexible, color-coded cable with specially-designed insulation facilitated easy phase identification, faster, easier pulling and simplified installation overall,” says McCray. “No phase tape was needed for pulling and



terminations – and work was done in less time, with less effort, by a smaller crew.”

The lightweight and flexible bending characteristics of the interlocked aluminum armored MC Cable eliminated the need for conduit and allowed for quick installation to address challenging design requirements.

Marc Reisfelt, who arranged for distribution to the Mission Bay project for General Cable was also quick to point out that this state of the art research facility is a great example of the growing awareness of the advantages of using aluminum alloy feeder cables in advanced construction projects.

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“Thanks to General Cable’s commitment to raising the bar on product innovation and great service we are continuing to see a growth in appreciation for the value, performance and adaptability of aluminum alloy wiring solutions in an area that was once the almost exclusive domain of copper.”

Reisfelt also says that General Cable’s expert understanding of aluminum electrical components really helped facilitate the cable selection process and convince the design team to embrace the cost savings and improved total value that STABILOY® Brand cable represents.

“More than just providing quality, innovative products, General Cable - and their track-record on projects like this - helped us build the case to the building engineers that STABILOY Brand aluminum alloy cable will perform reliably, as it has for many projects in North America.”

For the Mission Bay Neurosciences Building, innovation in building electrical wiring seems like a perfect fit. In a leading edge research facility, where great minds explore human electrical “wiring” to advance the treatment of disorders such as Alzheimer’s, Parkinson’s, epilepsy, autism, and cerebral palsy, it is fitting that the project has embraced the future of electrical wiring as well.



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For more information on General Cable’s aluminum alloy product solutions, go to www.cable.stabiloy.com or call toll-free 855-720-2792
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